ABC/550/SBH/000093/19-20 dt 23/03/2020

Original/Duplicate/Triplicate

Ist Part b

CONTRACT CERTIFICATE

(For Other works)

No: Date:

Job code No: 013-20-000062 (P code -0224)

Division: Dasarahalli Sub Division: Shettyhalli Sub Div

Bill Received No..... Date..... Cash Book Voucher No..... Dated.....

Scheduled Docted No

Name of work (as per sanctioned estimate):- **Construction of rooms nd other civil works at Abedkar bhavan (balance portion) in mallasandra colony ward No 13, Shettyhalli Sub Division.**

Ward No – [redacted]

Name of the Contractor and Full Address:- **The Technical Manager KRIDL**

Reference to work order BBMP/EE/DD/WO/534/2019-20, DATE: 30-01-2020

Certified that the measurement were taken by me on 23/03/20 and recorded of pages 61340-61342

Of measurement Book No: 614/17-18 and that the work is satisfactorily executed.

Contractor

Office-in-charge of work

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISON
BENGALURU-560 010

Certified that the measurements were taken by me on 23/3/20 and found correct.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agree upon. A normal agreement signed and executed by the contractor is recorded in the office

If Memorandum of Payment Job code : 013-20-000062 Sub division officer

1)Total value of work done or supplies made as per account within	
2) Deduct amount to be held in reserve being.....percent Rs.....	
3)Deduct amount to be held in Balance	
4)Deduct Payments	
a)Amount of previous payment as in the office Cash book Voucher No.....Dated.....S.D.No..... Amount adjusted towards cash advance/recovery of	
b)Payments cost store or other materials supplied Now made recovery of amount creditable to this/other work Amount paid on this bill Cheque/Cash	
5)Balance being unpaid value of work done held in reserve	
6)Deduct cash advance made on the office cash Book Voucher No.? Dated..... cost advantages	
7)Net amount due to or from contractor	
Unadjusted items	
8)Advance to contractor for materials brought to site (as detailed) with Value of Government materials supplied	

1st and Final Bill → 3745349:00

IT → 14907:00
Lwc → 3453:00
EsP → 18267:00 (-)
Roy → 822:00
CGST → 33441:00 = 378481/-
SGST → 33441:00
CBF → 3745:00

Net Amount → 3366868:00

Received Rs..... (in words)

By cash and by adjustment of Payment as per Memorandum

Witnesses:

1

2

Dated..... Signature of Contractor

Paid by me by cheque No..... Dated.....

Cast Rs..... Dated.....

Initials of Office making payment

Contractor's Signature

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISON
BENGALURU-560 010

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISON
BENGALURU-560 010

(For use in the Office)

Audited and admitted for Rs. 3745349:00

Passed by Cheque for Rs. 3366868:00

(Thirty-three lakhs Sixty Six Thousand Eight Hundred Sixty Eight Rupees Only)

by DC; 378481:00

Executive Engineer

Accounts Superintendent

Exe. Engineer

B.B.M.P. Dasarahalli Division

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Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	Earth work excavation for foundation of building, water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications	Cum	130.72	484.92	63388.74							
2	Earthwork excavation by manual means for roads, drains & similar works, in ordinary soil involving , excavated surface levelled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification	Cum	25.74	203.77	5245.04							
3	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs. with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications	Cum	44.17	5698.58	251706.28							
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.86 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specificationside- Wall & bottom thickness 15cm	Cum	10.43	7189.42	74985.65							
5	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs. with 20mm and down size gradedgranite metal Coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation, plinth and cills, including cost ofall materials, labour, HOM curing complete as per specifications	Cum	10.14	5952.93	60362.71							
6	Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticizers @ 3 liters conforming to IS 9103-1999 reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications	Cum	51.12	6731.06	344091.79			50.67	6731.06	341062.81	50.67	341062.81
7	Providing precast slab of 150 mm thick including cost of all materials, labour, curing transportation, loading unloading etc. complete as per the direction of engineer in charge- (Data Rate)	Sqm	6.30	2337.00	14723.10							

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8	Providing pavilion cast in 250 mm thick reinforced cement concrete, labour rooms, toilet accommodation, waiting, circulating etc. complete as per the direction of engineer in charge. (Core Cutting)	Sqm	13.50	5418.00						
9	Providing and constructing load bearing wall with good common bricks having crushing strength not less than 105 kg/cm2 having a thickness, having brick density not less than 19kg/cm3 having a minimum average compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part 1):2002 and constructed with CM conforming to IS 2250:1981 including cost of all materials, labour, scaffolding, curing, watering,cost of maintenance etc. complete as per specifications & the direction	Sqm	360.30	1070.00		360.3	1070.00	385521.81	360.3	385521.81
10	Providing and laying in position reinforced cement concrete of design mix M20 with (20) nominal @ 24kgs, with 12mm and down size graded granite metal coarser aggregates (pc 20 % fine and fine aggregates @ 1: 1.5 mixture, with required workability (pc 0.45% max) hand mixed, well compacted by power vibrator of 1.2 mtrs average thickness, with ground floor level, including cost of all materials, labour, HOM of machinery, shuttering, curing, complete but excluding cost of reinforcement as per specifications	Cum	13.68	490.32	6707.62	13.68	490.23	6706.35	13.68	6706.35
11	Providing M.S. steel reinforcement by B.C.R. work including straightening, cutting, bending, bending, placing in position, binding wire in welding wherever required, tying with binding wire and performing to the adjoining members wherever necessary complete as per design, hooks, laps and wastage shall not be measured and paid, cost of materials, labour, HOM and machinery complete as per specifications, specification	Ton	7.39	70643.28	563328	6.66	78643.28	510444.24	6.66	510444.24
12	Providing and removing centering, shuttering, shuttering propping etc. and removing of form work for columns, pillars, abutments, piers and all its portions, rectangular, polygon in plan including cost of all materials, labour complete as per specification.	Sqm	62.12	492.48	40442.4	71.68	492.48	35300.97	71.68	35300.97
13	Providing and removing centering, shuttering, shuttering, propping etc. and removing of form work for suspended floors, landings, balconies and lintel, Shuttering grid, 230 mm including cost of all materials, labour complete as per specifications, for heights, middle than 3.80m from ground level. Specifications	Sqm	319.61	625.40	200200	317.6	625.40	198644.64	317.6	198644.64
14	Providing and removing centering, shuttering, shuttering, propping etc. and removing of form work for edge and soffits of beams, beam haunches, cantilever portion, brackets and lintels not exceeding 10 m depth including cost of all materials, labour complete as per specifications	Sqm	37.08	315.36	11693.55	37.08	315.36	11693.55	37.08	11693.55
15	Providing and removing centering, shuttering, shuttering propping etc. for chajjas, cornices etc. including edges including cost of all materials, labour complete as per specifications	Sqm	16.83	348.84	5870.98	16.83	348.84	5870.98	16.83	5870.98
16	Providing, mixing and laying of plain, medium, demolish, reinforced, cement concrete, with proper weight, thickness of aggregate, above 10 cm as mentioned in the plans, including cost of all materials, labour complete as per specifications	Cum	9.28	946.12	7979.81	8.78	94013.32	73793.83	8.78	73793.83

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17	Providing and fixing in position fully panelled hdome wood shutters for doors, styles and rails of 45mm, thick with bottom and lock rails 150mm wide top rail and styles 100mm wide as per drawing and panels of 20mm thick including cost of materials, labour HOM of machineries completed as per specification (excluding cost of fixtures)	Sqm	10.80	5099.76	55077.4			—	—	—	—	—
18	SOLID PANEL PVC DOOR SHUTTER: Providing & fixing 30mm thick factory made rigid foam Panelled Door styles and 15x15mm tie top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail (middle rail & 5mm thick 20mm wide PVC sheet as per insert for top rail & bottom rail. Panelling of 5mm thick PVC sheet fitted in the M.S. Frame. Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc. Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 mm Aluminium hinges	Sqm	8.10	2999.16	24293.20			—	—	—	—	—
19	Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications	Kg	574.56	102.60	58949.86			574.56	102.60	58949.86	574.56	58949.86
20	Providing and fixing in position collapsible steel shutters Sqm with single or double leaf with vertical channel 50mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size with top and bottom rails of T iron sections of 40x40x6 mm with 30mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7 bolts openings at 10 cms c to c applying a priming coat of red lead paint, cost of materials, labour HOM of machinery complete as per specifications, size of gate 2.4mx1.4m	Sqm	5.04	5626.80	28359.07			—	—	—	—	—
21	Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 125.2x38.75mm with 1.2mm thick, bottom section weight of 0.695 kg per m, sides and top section of 1.5mm thick weight of 0.695 kg per m and shutter comprising top and bottom section of size 40mmx19mm, 1.20mm thick of 0.417 kg per m shutter outer side 40mmx19mm, 1.20mm thick weight of 0.417 kg per m, shutter interlock section 40mmx 26.7mm, 1.1mm thick, weight of 0.468 kg per m the shutter mounted on nylon roller with approved quality of fixture such as aluminium tower bolts etc., and providing and fixing 5.5mm thick plain glass of shutter fitted with rubber beading aluminium section anodized 12 to 15 microns including cutting to required length, joints mitred sub dividing the frame tenoned riveted in the assembled frame reinforced with strut clips at corners angles etc., and fixed to walls, lintels, floor beams or cills as the case may be with necessary steel screws, red sleeve to wood wood pattles including cutting, making of openings and making good the surface using cement mortar, aluminium window pre	Sqm	35.28	4725.00	166698.0			—	—	—	—	—
22	Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to ceiling including rounding off corners wherever required smooth, removing projecting and removing sheltfloating including cost of materials, labour curing complete as per specification	Sqm	211.64	256.28	54290.3			209.00	256.28	53562.52	209	53562.52

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23	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications	Sqm	476.08	301.80	143680.9		476.08	301.80	143680.94	476.08	143680.94
24	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour,curing complete as per specifications	Sqm	687.92	34.56	23774.5		687.25	34.56	23751.36	687.25	23751.36
25	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	Sqm	466.04	304.37	141848.5		—	—	—	—	—
26	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm	Sqm	408.96	2961.20	1210952 1211012.3		282.21	2961.20	835680.25	282.21	835680.25
27	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mmsize with 50% of cement mortar 1:5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with preprietoray water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 admix with preprietary water proofing compond wall finally finishing the surface with travel and neat cement slurry and making of 300 x 300 mm square e the whole terrace so finished shall be	Sqm	195.91	1099.50	215403.0		195.91	1099.50	215403.05	195.91	215403.05
28	Providing and fixing on wall surface 4.0kg/Sq.cm **H.D.P.E. rain down water pipes 90mm outer dia approved** make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specification	Rmt	42.00	414.46	17407.32		—	—	—	—	—
29	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flangecompression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications	Rmt	65.00	785.46	51054.9		—	—	—	—	—

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30	Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests,100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C I I M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	No	6.00	4561.92	27371
31	Providing and fixing white vitreous china clay, **water closet European type (Pedestal type, P-trap) with black solid plastic seat** and lid, C P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	No	6.00	5352.48	32114
32	Providing and fixing white vitreous china clay flat back **wash basin size 630x450mm with a** single of 15mm C.P. brass pillar taps with C.I /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications	No	6.00	3400.92	20405.5
33	Providing and fixing white vitreaus **china clay, flat back, lipped front urinal basin of 430x260x350mm** with 5 litre PVC automatic flushing cistren, C.I /M.S bracket, standard flush pipe and c.P. brass spreaders with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specification	No	6.00	3317.76	19906.5
34	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x45 cms 6mm thick with border of size 30 x 10 cms	Sqm	131.09	1764.62	231324.0
35	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. Ceramic tiles 30x30 cm	Sqm	15.12	1309.28	19796.3
36	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia	Each	24.00	162.00	3888.00
37	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms	Each	12.00	270.00	3240.00

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38	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes	Rmt	60.00	316.44	18986.		-	-	-	0 -	-
39	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 32mm nominal OD pipes	Rmt	25.00	403.92	10098.0		-	-	-	-	-
40	Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications	Each	35.00	205.20	7182.00		-	-	-	-	-
41	providing and fixing in position brass gate valve with C.I wheel of approved quality (Screwed end) 20mm nominal bore including cost of all materials labour and HOM of Equipments with all lead complete as per specificatins	Each	22.00	362.88	7983.3		-	-	-	-	-
42	Providing and fixing stainless steel kitchen sink of bowl depth 178mm, with drain board, M.S / C.I brackets, stainless steel plug 40 mm, painting of fittings and brackets, cutting and making good the wall and floor wherever required including cost of materials, labour complete as per specifications, size 510 x 1040 mm	No	4.00	15394.32	61577.2		-	-	-	-	-
43	Providing and fixing in position brass stop cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications 15 mm dia nominal bore	No	6.00	152.28	913.6		-	-	-	-	-
44	Providing MPVC waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete for 32mm dia	Each	4.00	129.60	518.40		-	-	-	-	-

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45	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450mm	No	10.00	9169.20	91692.0
46	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity)	No	2.00	7374.24	14748.4
47	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. with primer	Sqm	1094.93	97.20	106427.2
48	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications with primer	Sqm	705.58	110.16	77726.6
49	**Applying priming coat over new wood surface** and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios	Sqm	55.28	54.00	2985.1
50	**Providing and applying painting two coats (excluding priming coat)** on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications	Sqm	55.28	104.76	5791.13
51	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications	Sqm	32.40	44.28	1434.67

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52	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surfaces/brushing to give an even shade, after cleaning oil, grease, dirt and other foreign matter including cost of materials, labour, complete as per specifications.	Sqm	32.40	102.60	3324.74			—	—	—	—	—
53	Providing and fixing to wall, ceiling and floor high density polyethylene pipes d 32 kg/sq cm working pressure 110mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	Rmt	54.00	642.60	34700.4			—	—	—	—	—
54	Fabricating, providing and erecting in position Hot dip galvanised Gate Using 75 X 75 X 6.0mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and butt bending to form double arch as per drawing profile. 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of thoroughing GI flat GI sq. rods placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., Heavy duty hangers are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading scaffolding charges and all other incidental charges for successful completion of the work as per directions of the	Sqm	17.44	12475.03	217564.5			—	—	—	—	—
55	Rectangular shape mirror of size 150cx450mm with plastic moulded frame	No	10.00	1006.56	10065.6			—	—	—	—	—
56	Providing and fixing self supported, ribbed, high quality, high grade (G 350 MPa hot latin) pre- painted Galvalume steel roof sheet, coated with Dark Galvalume coating AZ 150 @150 gms/Sqmt (0.5%Al, 43%Zn) by hot dip process of total coated thickness as specified for different spans with a tolerance of+/- 0.02 mm, according to technical specification conforming to A 792, with IS/ISO 11474 or ECCA14 Pencil hardness HB, NCCA standard T-Bend test. The roof should be fastened to the gutter beam on the external sloping side, at an interval of 51mm (Centre to Centre) to a depth of 65 mm with GI anchor bolts and washerline washers & subjecting the gutter beam to Schmidt, Hammer test to ensure the anchorage of the anchor bolts. The self supported roofing system should be designed to with stand the wind load (as per IS 875 part 3) & Earthquake load (as per IS 1893) & the design should also comply with any other technical requirements such as turbo ventilators of 0.60 mtrs. dia and skylights of size 4.20 x 0.60 mts. fixed only in each row @ 10.00 Mtr. C/C, along the length & hangers for electrical fixtures as per the requirements, including cost of all materials &labour for erection, all lead and lift, loading and unloading, HOM of	Sqm	123.00	1684.80	207230.4			107.35	1684.80	180863.28	107.35	180863.28

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57	Fabrication supplying and erecting M.S. tubular trusses of all spans as quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification		1230.43	119.88	147452.40		1230.43	119.88	147503.95	1230.43	147503.95
58	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of and electrical charges, etc., complete as per specifications.	Sqm	17.00	6502.68	110545.56						
59	Manufacturing, supplying and fixing wooden ward robe of 0.60m deep using 19mm thick vinyl bonded water proof block board, shutters allround ward robe, lockable drawers with sliding channels, cupboard drapery hangers, curtain rods with end brackets, openable shutters with 19mm x 6mm thick plain teak wood beading, lipping 1.5mm thick commercial ply verbcal support finished in approved 1 mm lamination sheet of approved colour, shade and quality on all exposed surfaces. Inner surface painted with 2 coats of white synthetic enamel paint over 2 coats of Putti, one coat of wood primer, including cost of brass fittings, parliamentary hinges, C handles, tower bolts, magnetic catchers, approved brand lock, adhesives, synthetic resins, nails, screws etc., complete including cost of all materials, labour charges, complete as per specification	Sqm	15.75	11612.16	182891.52						
60	Providing and laying in position to required level or slope 230mm internal diameter salt glazed stone ware pipe grade A and jointing with stiff mixture of cement mortar in 1:1 testing of pipes and jointing, including cost of materials, labour chargea complete as per specification	Rmt	55.00	568.16	31248.80						
					6078206.3				3228748.16		3228748.16
									Add GST 12%		387449.78
									Add 4% KRIDL Charge		129149.92
									Total Cost Rs		3745347.86

Thirty Seven lakhs forty Five Thousand Three Hundred Forty Seven And Eighty Six Only

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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